

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

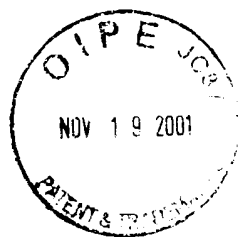
In re Patent Application of

MÜLLER et al.

Serial No. 09/912,414

Filed: July 26, 2001

For: TRANSCRIPTION FACTOR E2F DNA-BINDING DOMAIN  
INHIBITOR PEPTIDES AND THEIR USE



Atty. Ref.: 620-151

Group:

Examiner:

November 19, 2001

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**STATEMENT**

The attached paper and computer-readable copies of the Sequence Listing are the same. No new matter has been added.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By: \_\_\_\_\_

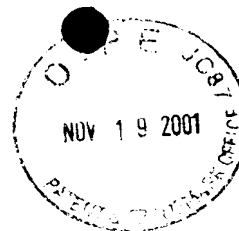
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## SEQUENCE LISTING



<110> Müller, Rolf  
Kontermann, Roland E  
Montigiani, Silvia

<120> Transcription factor E2F DNA-binding domain inhibitor  
peptides and their use

<130> 620-151

<140> US 09/912,414

<141> 2001-07-26

<150> PCT/GB00/00227

<151> 2000-01-26

<150> GB 9901710.5

<151> 1999-01-26

<160> 40

<170> PatentIn Ver. 2.1

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<223> In Claims 1 & 2, Xaa is an amino terminal or a sequence of from 1 to 4 amino acids

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<223> In Claim 3, Xaa is an amino terminal or a sequence of from 1 to 4 amino acids each of which are selected from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, or Arg

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<223> In Claim 1, Xaa is an aromatic amino acid

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<223> In Claims 2 and 3, Xaa is Phe or Trp

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<223> In Claims 1 & 2, Xaa is from two to four amino acids

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<223> In Claim 1, Xaa is an aromatic amino acid

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<223> In Claim 2, Xaa is Phe or Trp

<220>  
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<223> In Claim 3, Xaa is Trp

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 <223> In Claims 1 & 2, Xaa is a carboxy terminal or a sequence of from  
 one to four amino acids

<220>  
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 <223> In Claim 3, Xaa is a carboxy terminal or a sequence of from  
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<220>  
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 <223> Each Xaa is independently any amino acid

<220>  
 <223> Description of Artificial Sequence: Synthetic  
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<400> 8  
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       1                  5

<210> 9  
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 His, or Phe

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 9

Trp Xaa Xaa Trp Xaa Phe  
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<210> 10

<211> 9

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<222> (2)..(3), (5), (7)..(8)

<223> Each Xaa is independently any amino acid selected from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg, His, or Phe

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<223> Description of Artificial Sequence: Synthetic peptide

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<210> 11

<211> 6

<212> PRT

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<220>

<223> Description of Artificial Sequence: Synthetic peptide

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<210> 12  
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 <222> (1)..(2), (4)..(7)  
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<220>  
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<210> 13  
 <211> 8  
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 <222> (1)..(2), (4)..(7)  
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 His, Phe, or Tyr

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 peptide

<400> 13  
 Xaa Xaa Phe Xaa Xaa Xaa Xaa Trp  
 1 5

<210> 14  
 <211> 8  
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 <213> Artificial Sequence

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 His, Phe, or Tyr

<220>  
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 <223> Xaa is independently any amino acid selected from  
 Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg, His,  
 Phe, or Tyr

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 <222> (6)  
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 Phe, or Tyr

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 <222> (7)  
 <223> Xaa is independently any amino acid selected from  
 Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg, His,  
 Phe, or Tyr

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 <223> Description of Artificial Sequence: Synthetic  
 peptide

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<210> 15  
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 <222> (1)  
 <223> Xaa is independently selected from the group Gly,  
 Ala, Ile, Leu, Val, Ser, and Thr

<220>  
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 Ala, Ile, Leu, Val, Ser, and Thr

<220>  
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 Ala, Ile, Leu, Val, Ser, and Thr



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 Ala, Ile, Leu, Val, Ser, and Thr

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 Ala, Ile, Leu, Val, Ser, and Thr

<220>  
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 Oligonucleotide probe

<400> 16  
 cgacgcgcgtt ggccgggagat agaaaagtgc

30

<210> 17  
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 <223> Description of Artificial Sequence:  
 Oligonucleotide probe

<400> 17  
 atttttctga tttggttaa

19

<210> 18  
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 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence:  
 Oligonucleotide probe

<400> 18  
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12

<210> 19  
<211> 26  
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Oligonucleotide probe

<400> 19  
cgccttgaat gacgtcaagg ccgca

26

<210> 20  
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<220>  
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Ala Val Arg Trp His Phe  
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<210> 21  
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peptide

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peptide

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<210> 28  
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peptide

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peptide

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Ser Arg Ile Leu Thr Phe Arg Ser Gly Ser Trp Tyr  
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&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
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Gly Ser Ala Ile Leu Thr Phe Arg Ser Gly Ser Trp Tyr Ala Ser  
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&lt;210&gt; 35

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
peptide

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&lt;210&gt; 36

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

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